Kallikrein 1 Antibody (RQ4114)

Catalog No.	Formulation	Size
RQ4114	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P06870
Applications	Western Blot: 0.5-1ug/ml ELISA (Capture): 0.1-0.5ug/ml
Limitations	This Kallikrein 1 antibody is available for research use only.



Western blot testing of 1ng of recombinant human protein with Kallikrein 1 antibody at 0.5ug/ml.

Description

KLK1 (KALLIKREIN 1), also called KLKR, is a protein that in humans is encoded by the KLK1 gene. KLK1 is a member of the peptidase S1 family. KLK1 is a serine protease that generates Lys-bradykinin by specific proteolysis of kininogen-1. The KLK1 gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19 and its exact cytogenetic location is 19q13.33. The KLK1 gene contains 5 coding exons. And KLK1 is the most centromeric gene in the cluster. Mice lacking tissue kallikrein are unable to generate significant levels of kinins in most tissues and develop cardiovascular abnormalities early in adulthood despite normal blood pressure. The protein is functionally conserved in its

capacity to release the vasoactive peptide, Lys-bradykinin, from low molecular weight kininogen.

Application Notes

Optimal dilution of the Kallikrein 1 antibody should be determined by the researcher.

Immunogen

A recombinant human partial protein corresponding to amino acids I25-S262 was used as the immunogen for the Kallikrein 1 antibody.

Storage

After reconstitution, the Kallikrein 1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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